

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Baker et al.) Group Art Unit Unknown
Appl. No. : 10/006,485)
Filed : December 6, 2001)
For : SECRETED AND)
TRANSMEMBRANE)
POLYPEPTIDES AND NUCLEIC)
ACIDS ENCODING THE SAME)
Examiner : Unknown)

(Circular stamp: OIP MAR 25 2002 JCS PATENT & TRADEMARK OFFICE 390)

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on

March 19, 2002

(Date)

(Signature)
Ginger R. Dreger, Reg. No. 33,055

SEQUENCE SUBMISSION STATEMENT

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

This is in response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, mailed January 22, 2002. I hereby state that the amendments, made in accordance with 37 C.F.R. § 1.825(a) and included in the Substitute Sequence Listing submitted herewith, are supported in the application, and that the Substitute Sequence Listing does not include new matter.

I further state that the information recorded in the currently submitted substitute copy of the computer-readable form of the Sequence Listing is identical to the paper form of the Sequence Listing submitted herewith as required in 37 C.F.R. § 1.825(b).

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

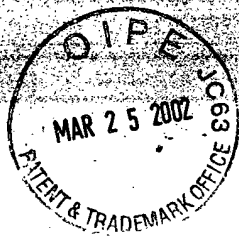
Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 19, 2002

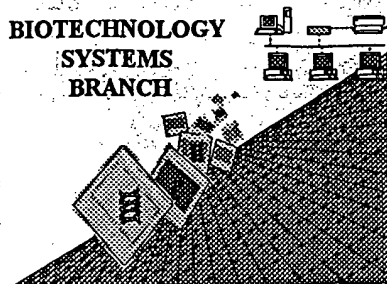
By: *(Signature)*

Ginger R. Dreger
Registration No. 33,055
Attorney of Record
620 Newport Center Drive
Sixteenth Floor
Newport Beach, CA 92660



RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/006,485
Source: OIPE
Date Processed by STIC: 12/19/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood Mail Facility.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/efb/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, Virginia 22202

4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence,
Arlington, VA 22202



Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/006,485

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
 (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
Sequence(s) 375 missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIP

SEQUENCE LISTING

PATENT APPLICATION: US/10/006,485

DATE: 12/19/2001

TIME: 10:53:18

Input Set : A:\Seq_List_for_P2830PlC9.wpd

Output Set: N:\CRF3\12192001\J006485.raw

p6

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Baker, Kevin P.
 4 Botstein, David
 5 Desnoyers, Luc
 6 Eaton, Dan l.
 7 Ferrara, Napoleone
 8 Fong, Sherman
 9 Gao, Wei-Qiang
 10 Goddard, Audrey
 11 Godowski, Paul J.
 12 Grimaldi, Christopher J.
 13 Gurney, Austin L.
 14 Hillan, Kenneth J.
 15 Pan, James
 16 Paoni, Nicholas F.
 18 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 19 Acids Encoding the Same
 21 <130> FILE REFERENCE: P2830PlC9
 C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/006,485
 C--> 23 <141> CURRENT FILING DATE: 2001-12-06
 23 <150> PRIOR APPLICATION NUMBER: 60/098716
 24 <151> PRIOR FILING DATE: 1998-09-01
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PATENT APPLICATION: US/10/006,485

DATE: 12/19/2001
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/006,485

DATE: 12/19/2001

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PATENT APPLICATION: US/10/006,485

DATE: 12/19/2001

TIME: 10:53:18

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RAW SEQUENCE LISTING

DATE: 12/19/2001

PATENT APPLICATION: US/10/006,485

TIME: 10:53:18

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<210> 375
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<212> DNA

<213> Artificial *see item 11 on Ena summary sheet*

<400> 375

→ The character Xaa has been inserted in the Sequence Listing.
The character Xaa is listed in the corresponding
explanation provided in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/006,485

DATE: 12/19/2001

TIME: 10:53:19

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Output Set: N:\CRF3\12192001\J006485.raw

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L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:520 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:523 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:533 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:536 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
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L:1345 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:1355 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:1358 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
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L:1371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
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L:2458 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38
L:2461 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:38
L:2471 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
L:2474 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:39
L:2779 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44
L:2782 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:44
L:2792 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45
L:2795 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45
L:2805 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46
L:2808 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46
L:2818 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47
L:2821 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:2831 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48
L:2834 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:3957 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:59

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/006,485

DATE: 12/19/2001

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Input Set : A:\Seq_List_for_P2830PlC9.wpd

Output Set: N:\CRF3\12192001\J006485.raw

L:3960 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59
L:3970 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:60
L:3973 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60
L:3983 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:61
L:3986 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:61
L:4030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:4122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:4158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:4185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:64
L:4188 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64
L:4198 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65
L:4201 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:65
L:4211 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:66
L:4214 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66
L:4694 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:73
L:4697 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:73
L:4707 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:74
L:4710 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:74
L:4720 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:75
L:4723 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:75
L:5092 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:80
L:5095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:80
L:5108 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:81
L:5118 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:82
L:5121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:82
L:5881 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:89
L:5884 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:89
L:5894 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:90
L:5897 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:90
L:5907 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:91
L:5910 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:91
L:5920 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:92
L:5923 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:92
L:5933 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:93
L:5936 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:93
L:6143 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:96
L:6146 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:96
L:6156 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:97
L:6159 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:97
L:6169 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:98
L:6172 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:98
L:6884 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:105
L:6887 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:105
L:6897 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:106
L:6900 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:106
L:6910 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:107
L:6913 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:107
L:6923 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:108
L:6926 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:108

VERIFICATION SUMMARY

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Input Set : A:\Seq_List_for_P2830P1C9.wpd

Output Set: N:\CRF3\12192001\J006485.raw

L:6936 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:109
 L:6939 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:109
 L:7066 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:112
 L:7069 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112
 L:7079 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:113
 L:7082 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:113
 L:7092 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:114
 L:7095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:114
 L:7473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:119
 L:14262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259
 L:20824 M:258 W: Mandatory Feature missing, <220> FEATURE:
 L:20824 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:20939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
 L:22554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:422